



12/27/01
1131 U.S. PTO

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December 27, 2001

ATTORNEY DOCKET NO. 8350.1653-00
CUSTOMER NO. 22,852

10/026737
12/27/01
1131 U.S. PTO

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, DC 20231

New U.S. Patent Application
Title: ELEMENT ROUTING METHOD AND APPARATUS
Inventors: Sammy J. GRAHAM, Gerard K. MOEHN
and Hong CHEN

Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Specification - 9 pages; Claims - 6 pages, including 5 independent claims and 22 claims total; Abstract - 1 page.
2. Drawings - 2 sheets of drawings (Figures 1-2).
3. Declaration and Power of Attorney (2 pages).
4. Recordation Form Cover Sheet and Assignment to Caterpillar Inc. (4 pages)

02

FEE VALUE ACCOUNTABILITY	
DEPOSIT ACCOUNT NO.	
03 1129	
FEE CODE	VALUE FURNISHED

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5. The filing fee is calculated as follows:

Basic Application Filing Fee					\$740	\$ \$740.00
	Number of Claims		Basic	Extra Claims		
Total Claims	22	-	20	2	x \$18	36.00
Independent Claims	5	-	3	2	x \$84	168.00
<input type="checkbox"/> Presentation of Multiple Dep. Claim(s)					+\$280	\$944.00
Subtotal						\$ \$944.00
Reduction by 1/2 if small entity						-
TOTAL APPLICATION FILING FEE						\$ \$944.00

6. The Commissioner is hereby authorized to charge \$984.00 to Caterpillar Deposit Account No. 03-1129. The fees includes:

\$740.00 filing fee;
\$204.00 fee for additional claims; and
\$40.00 Assignment recordation fee.

Please address all correspondence with respect to this application to:

Finnegan, Henderson, Farabow,
Garrett & Dunner, L.L.P.
1300 I Street, N.W.
Washington, D.C. 20005-3315

Please accord this application an application number and filing date and record and return the Assignment to the undersigned.

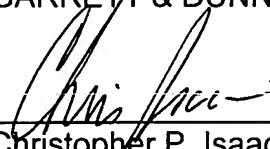
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The Commissioner is hereby authorized to charge any additional filing fees due and any other fees due under 37 C.F.R. § 1.16 or §1.17 during the pendency of this application to Caterpillar Deposit Account No. 03-1129.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

By: _____


Christopher P. Isaac
Reg. No. 32,616

CPI/chw
Enclosures